

# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/EP 02/10286

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01S5/14 H01S5/0687

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | EP 0 479 118 A (DORNIER GMBH)<br>8 April 1992 (1992-04-08)  | 1,2,<br>10-12         |
| Y          | column 3, line 22 -column 4, line 6;<br>figure 1  | 7-9,<br>17-19         |
| X          | DE 44 29 748 A (FAGOR S COOP LTDA)<br>16 March 1995 (1995-03-16)  | 1,2,<br>10-12         |
| Y          | column 3, line 57 -column 4, line 12;<br>figure 1<br>column 4, line 64 -column 5, line 5;<br>figure 4                           | 7-9,<br>17-19         |
| Y          | EP 1 220 389 A (AGILENT TECHNOLOGIES INC A<br>DEL) 3 July 2002 (2002-07-03)<br>column 4, line 50 -column 5, line 9;<br>figure 3 | 7-9,<br>17-19         |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

13 May 2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| A          | US 6 426 496 B1 (CHILDERS BROOKS A ET AL)<br>30 July 2002 (2002-07-30)<br>column 4, line 18-37<br>---   | 1-19                  |
| A          | WO 00 49689 A (CHAPMAN WILLIAM B ;NEW<br>FOCUS INC (US); GREEN EVAN D H (US); JENQ<br>M) 24 August 2000 (2000-08-24)<br>the whole document<br>----- | 7-9,<br>17-19         |

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| Patent document<br>cited in search report |    | Publication<br>date |    | Patent family<br>member(s) | Publication<br>date |
|---|----|---------------------|----|----------------------------|---------------------|
| EP 0479118                                | A  | 08-04-1992          | DE | 4031372 A1                 | 09-04-1992          |
|   |    |                     | EP | 0479118 A2                 | 08-04-1992          |
| DE 4429748                                | A  | 16-03-1995          | ES | 2079282 A2                 | 01-01-1996          |
|   |    |                     | DE | 4429748 A1                 | 16-03-1995          |
| EP 1220389                                | A  | 03-07-2002          | EP | 1220389 A1                 | 03-07-2002          |
|   |    |                     | DE | 60100162 D1                | 08-05-2003          |
|   |    |                     | JP | 2003110177 A               | 11-04-2003          |
| US 6426496                                | B1 | 30-07-2002          | AU | 7994100 A                  | 04-03-2002          |
|   |    |                     | WO | 0216896 A1                 | 28-02-2002          |
| WO 0049689                                | A  | 24-08-2000          | US | 6108355 A                  | 22-08-2000          |
|   |    |                     | US | 6282215 B1                 | 28-08-2001          |
|   |    |                     | AU | 3859000 A                  | 04-09-2000          |
|   |    |                     | AU | 6432399 A                  | 08-05-2000          |
|   |    |                     | EP | 1153463 A1                 | 14-11-2001          |
|   |    |                     | EP | 1129513 A1                 | 05-09-2001          |
|   |    |                     | JP | 2002528902 T               | 03-09-2002          |
|   |    |                     | WO | 0049689 A1                 | 24-08-2000          |
|   |    |                     | WO | 0024095 A1                 | 27-04-2000          |
|   |    |                     | US | 6526071 B1                 | 25-02-2003          |